

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/19096

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04Q11/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04Q H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 673 133 A (NEDERLAND PTT) 20 September 1995 see column 1, line 42 - column 2, line 25 see column 4, line 15 - column 6, line 37 see column 10, line 3 - line 57 ---	1,5-7, 10, 14-16, 24,27, 30,31, 33,36, 37,39,40
A	WO 96 33564 A (SECURE COMPUTING CORP) 24 October 1996 see page 4, line 19 - page 6, line 18 see page 9, line 16 - line 19 --- -/--	1,10,19, 24,27, 30,33, 36,39



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

" Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

2 February 1999

Date of mailing of the international search report

15/02/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Gregori, S

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 652 661 A (AT & T CORP) 10 May 1995 see column 7, line 17 - column 8, line 34; figure 4 ---	1-41
A	STEVENSON D ET AL: "DESIGN OF A KEY AGILE CRYPTOGRAPHIC SYSTEM FOR OC-12C RATE ATM" PROCEEDINGS OF THE SYMPOSIUM ON NETWORK AND DISTRIBUTED SYSTEM SECURITY, 16 February 1995, pages 17-30, XP000617110 * sections 2.1, 4.2, 6.1 * see figure 2 -----	1-41

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 98/19096

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0673133 A	20-09-1995	NL 9400428 A CA 2144831 A,C US 5809147 A	01-11-1995 19-09-1995 15-09-1998
WO 9633564 A	24-10-1996	US 5796836 A AU 5542896 A EP 0821853 A JP 10508450 T	18-08-1998 07-11-1996 04-02-1998 18-08-1998
EP 0652661 A	10-05-1995	US 5473696 A JP 7193566 A	05-12-1995 28-07-1995